L Number	Hits	Search Text	DB	Time stamp
1	0	hamilton-joshua-w.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:39
2	0	stanton-bruce-a.in..in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:39
3	0	stanton-bruce-a.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:39
5	20	cftr same gfp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:42
6	1109	egfp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:42

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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  SEP 09   CA/CAplus records now contain indexing from 1907 to the
                   present
 NEWS  4  DEC 08   INPADOC: Legal Status data reloaded
 NEWS  5  SEP 29   DISSABS now available on STN
 NEWS  6  OCT 10   PCTFULL: Two new display fields added
 NEWS  7  OCT 21   BIOSIS file reloaded and enhanced
 NEWS  8  OCT 28   BIOSIS file segment of TOXCENTER reloaded and enhanced
 NEWS  9  NOV 24   MSDS-CCOHS file reloaded
 NEWS 10  DEC 08   CABA reloaded with left truncation
 NEWS 11  DEC 08   IMS file names changed
 NEWS 12  DEC 09   Experimental property data collected by CAS now available
                   in REGISTRY
 NEWS 13  DEC 09   STN Entry Date available for display in REGISTRY and CA/CAplus
 NEWS 14  DEC 17   DGENE: Two new display fields added
 NEWS 15  DEC 18   BIOTECHNO no longer updated
 NEWS 16  DEC 19   CROPU no longer updated; subscriber discount no longer
                   available
 NEWS 17  DEC 22   Additional INPI reactions and pre-1907 documents added to CAS
                   databases
 NEWS 18  DEC 22   IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
 NEWS 19  DEC 22   ABI-INFORM now available on STN

 NEWS EXPRESS  DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT
               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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 NEWS INTER    General Internet Information
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 NEWS WWW      CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 14:43:19 ON 15 JAN 2004

=> file medline biosis embase caplus
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FULL ESTIMATED COST                                      0.21       0.21

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FILE 'BIOSIS' ENTERED AT 14:43:35 ON 15 JAN 2004
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=> s cftr (s) gfp
L1          58 CFTR (S) GFP

=> s cftr (s) egfp
L2           4 CFTR (S) EGFP

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3           4 DUP REM L2 (0 DUPLICATES REMOVED)

=> d l3 total ibib kwic

L3   ANSWER 1 OF 4  EMBASE  COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
     on STN
ACCESSION NUMBER:   2003433559  EMBASE
TITLE:              Targeting expression of a transgene to the airway surface
                    epithelium using a ciliated cell-specific promoter.
AUTHOR:             Ostrowski L.E.; Hutchins J.R.; Zakel K.; O'Neal W.K.
CORPORATE SOURCE:   L.E. Ostrowski, Cystic Fibrosis/Pulmonary Research,
                    Treatment Center, University of North Carolina, 6123A
                    Thurston-Bowles Building, Chapel Hill, NC 27599-7248,
                    United States. ostro@med.unc.edu
SOURCE:             Molecular Therapy, (2003) 8/4 (637-645).
                    Refs: 41
                    ISSN: 1525-0016  CODEN: MTOHCK
COUNTRY:            United States
DOCUMENT TYPE:      Journal; Article
FILE SEGMENT:       015     Chest Diseases, Thoracic Surgery and Tuberculosis
                    022     Human Genetics
                    029     Clinical Biochemistry
                    037     Drug Literature Index
                    039     Pharmacy
LANGUAGE:           English
SUMMARY LANGUAGE:   English
AB   . . . use of these promoters for gene therapy of cystic fibrosis (CF)
     may produce undesirable effects by directing high levels of CFTR
     expression in cells that normally do not synthesize this protein. In
     contrast, a vector containing a ciliated cell-specific promoter and. . .
     the lung would be active only in the ciliated cells that line the surface
     of the airways. Ciliated cells express CFTR and are in direct
     contact with the airway surface liquid normally regulated by CFTR
     . To develop a ciliated cell-specific promoter for CF gene therapy, we
     have characterized the promoter region of the FOXJ1 gene,. . . a
     transcription factor required for ciliated cell differentiation. A
     fragment of the human FOXJ1 promoter region was inserted into an
     EGFP expression cassette and used to produce transgenic mice.
     Transgene-positive animals demonstrated strong EGFP expression
     in the ciliated cells of tracheal, bronchial, and nasal epithelium. Our
```

results demonstrate that elements within the FOXJ1 promoter. . .

L3 ANSWER 2 OF 4 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2002244270 EMBASE
TITLE: Adeno-associated virus (AAV)-mediated gene transfer in respiratory epithelium and submucosal gland cells in human fetal tracheal organ culture.
AUTHOR: Lim F.-Y.; Martin B.G.; Sena-Esteves M.; Radu A.; Crombleholme T.M.
CORPORATE SOURCE: Dr. T.M. Crombleholme, Division of Pediatric Surgery, Children's Inst. for Surg. Science, Children's Hospital of Philadelphia, 34th St and Civic Center Boulevard, Philadelphia, PA 19104, United States
SOURCE: Journal of Pediatric Surgery, (2002) 37/7 (1051-1057). Refs: 32
ISSN: 0022-3468 CODEN: JPDSA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 007 Pediatrics and Pediatric Surgery
011 Otorhinolaryngology
022 Human Genetics
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
AB Background/Purpose: Since the discovery of the cystic fibrosis transmembrane regulator (**CFTR**) gene, cystic fibrosis has been an attractive target for gene therapy. Postnatal gene transfer in the respiratory epithelium has been difficult and particularly inefficient in the submucosal gland cells, the target cells for **CFTR** gene transfer. The authors hypothesized that during development, there is a favorable environment for fetal gene therapy with fewer physical. . . novel human fetal tracheal organ culture system using a serotype 2 recombinant AAV that contains an enhanced green fluorescent protein (**eGFP**) reporter gene (AAV-CMV-**eGFP**). Methods: Human fetal tracheas at between 16 and 20 weeks' gestation age were used in this study. The distal end. . . the open proximal end facing up. Only the ante-lumenal surface was exposed to culture media. 5 x 10(9) particles of AAV-CMV-**eGFP** were administered intratracheally through the open end. Fetal tracheas were maintained in tracheal organ culture media and harvested at either. . . after injection. The fetal tracheas were processed for routine H&E, standard electron microscopy (EM), and fluorescence microscopy for analysis of **eGFP** transgene expression. Results: Histology confirmed the preservation of structural integrity out to 4 weeks of fetal tracheal organ culture. EM showed intact tight junctions of the apical respiratory epithelium. At 2 weeks after AAV-CMV-**eGFP** injection, there was minimal transgene expression. However, at 4 weeks there was extensive transgene expression in not only the respiratory. . .

L3 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:492179 BIOSIS
DOCUMENT NUMBER: PREV200300486951
TITLE: An engineered genomic CFTR-GFP fusion gene is expressed and correctly spliced on human artificial chromosomes.
AUTHOR(S): Schindelhauer, D. [Reprint Author]; Laner, A.; Christan, S.; Cattani, S.; Ramalho, A.; Marques, B.; Beck, S.; Amaral, M.
CORPORATE SOURCE: Institute of Human Genetics, Technical University, Munich, Germany
SOURCE: European Journal of Human Genetics, (2002) Vol. 10, No. Supplement 1, pp. 301. print.
Meeting Info.: European Human Genetics Conference 2002 in conjunction with the European Meeting on Psychosocial

Aspects of Genetics 2002. Strasbourg, France. May 25-28, 2002. European Society of Human Genetics (ESHG). ISSN: 1018-4813.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 22 Oct 2003
Last Updated on STN: 22 Oct 2003
GEN **CFTR-EGFP** fusion gene; GFP gene; human CFTR gene (Hominidae)

L3 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:492178 BIOSIS
DOCUMENT NUMBER: PREV200300486950
TITLE: PAC based engineering and expression of a genomic CFTR-GFP fusion gene.
AUTHOR(S): Laner, A. [Reprint Author]; Ramalho, A.; Cattani, S. [Reprint Author]; Christan, S. [Reprint Author]; Marques, B.; Beck, S.; Amaral, M.; Schindlbauer, D. [Reprint Author]
CORPORATE SOURCE: Dept. Medical Genetics, Childrens Hospital, Ludwig Maximilians University, Munich, Germany
SOURCE: European Journal of Human Genetics, (2002) Vol. 10, No. Supplement 1, pp. 300-301. print.
Meeting Info.: European Human Genetics Conference 2002 in conjunction with the European Meeting on Psychosocial Aspects of Genetics 2002. Strasbourg, France. May 25-28, 2002. European Society of Human Genetics (ESHG). ISSN: 1018-4813.
DOCUMENT TYPE: Conference; (Meeting)
Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 22 Oct 2003
Last Updated on STN: 22 Oct 2003
GEN **CFTR-EGFP** fusion gene; GFP gene; human CFTR gene (Hominidae)

=> d his

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FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 14:43:35 ON 15 JAN 2004
L1 58 S CFTR (S) GFP
L2 4 S CFTR (S) EGFP
L3 4 DUP REM L2 (0 DUPLICATES REMOVED)

=> s cftr (s) gfp (s) fusion (s) identif?
L4 0 CFTR (S) GFP (S) FUSION (S) IDENTIF?

=> s cftr (s) gfp (s) fusion
L5 17 CFTR (S) GFP (S) FUSION

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 8 DUP REM L5 (9 DUPLICATES REMOVED)

=> d l6 total ibib kwic

L6 ANSWER 1 OF 8 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2003293095 MEDLINE
DOCUMENT NUMBER: 22704610 PubMed ID: 12820661
TITLE: GFP-tagged CFTR transgene is functional in the G551D cystic

fibrosis mouse colon.
AUTHOR: Oceandy D; McMorran B; Schreiber R; Wainwright B J; Kunzelmann K
CORPORATE SOURCE: Institute for Molecular Biosciences, The University of Queensland, St. Lucia QLD 4072, Australia.
SOURCE: JOURNAL OF MEMBRANE BIOLOGY, (2003 Apr 1) 192 (3) 159-67. Journal code: 0211301. ISSN: 0022-2631.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20030625
Last Updated on STN: 20031113
Entered Medline: 20031112
AB . . . the trafficking of CFTR to be studied in vitro and in vivo. In previous studies it has been demonstrated that **fusion** of the green fluorescent protein (**GFP**) to the N-terminus of **CFTR** does lead to functional expression of **CFTR** chloride channels in epithelial cell lines. The aim of the present study was to examine whether it is possible to. . .

L6 ANSWER 2 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:492179 BIOSIS
DOCUMENT NUMBER: PREV200300486951
TITLE: An engineered genomic **CFTR-GFP** **fusion** gene is expressed and correctly spliced on human artificial chromosomes.
AUTHOR(S): Schindelhauer, D. [Reprint Author]; Laner, A.; Christan, S.; Cattani, S.; Ramalho, A.; Marques, B.; Beck, S.; Amaral, M.
CORPORATE SOURCE: Institute of Human Genetics, Technical University, Munich, Germany
SOURCE: European Journal of Human Genetics, (2002) Vol. 10, No. Supplement 1, pp. 301. print.
Meeting Info.: European Human Genetics Conference 2002 in conjunction with the European Meeting on Psychosocial Aspects of Genetics 2002. Strasbourg, France. May 25-28, 2002. European Society of Human Genetics (ESHG).
ISSN: 1018-4813.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 22 Oct 2003
Last Updated on STN: 22 Oct 2003
TI An engineered genomic **CFTR-GFP fusion** gene is expressed and correctly spliced on human artificial chromosomes.

L6 ANSWER 3 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:492178 BIOSIS
DOCUMENT NUMBER: PREV200300486950
TITLE: PAC based engineering and expression of a genomic **CFTR-GFP fusion** gene.
AUTHOR(S): Laner, A. [Reprint Author]; Ramalho, A.; Cattani, S. [Reprint Author]; Christan, S. [Reprint Author]; Marques, B.; Beck, S.; Amaral, M.; Schindlbauer, D. [Reprint Author]
CORPORATE SOURCE: Dept. Medical Genetics, Childrens Hospital, Ludwig Maximilians University, Munich, Germany
SOURCE: European Journal of Human Genetics, (2002) Vol. 10, No. Supplement 1, pp. 300-301. print.
Meeting Info.: European Human Genetics Conference 2002 in conjunction with the European Meeting on Psychosocial Aspects of Genetics 2002. Strasbourg, France. May 25-28,

2002. European Society of Human Genetics (ESHG).
ISSN: 1018-4813.
DOCUMENT TYPE: Conference; (Meeting)
Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 22 Oct 2003
Last Updated on STN: 22 Oct 2003
TI PAC based engineering and expression of a genomic **CFTR-GFP fusion** gene.

L6 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:936513 CAPLUS
DOCUMENT NUMBER: 136:196467
TITLE: Trafficking of GFP-tagged .DELTA.F508-CFTR to the plasma membrane in a polarized epithelial cell line
AUTHOR(S): Loffing-Cueni, Dominique; Loffing, Jan; Shaw, Collin; Taplin, Amilyn M.; Govindan, Malu; Stanton, Caitlin R.; Stanton, Bruce A.
CORPORATE SOURCE: Department of Physiology, Dartmouth Medical School, Hanover, NH, 03755, USA
SOURCE: American Journal of Physiology (2001), 281(6, Pt. 1), C1889-C1897
CODEN: AJPHAP; ISSN: 0002-9513
PUBLISHER: American Physiological Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT **Fusion** proteins (chimeric proteins)
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**GFP** - .DELTA.F508-**CFTR**; trafficking of **GFP** -tagged .DELTA.F508-**CFTR** to plasma membrane in polarized epithelial cell line)

L6 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:732756 CAPLUS
DOCUMENT NUMBER: 136:50604
TITLE: Confocal imaging of GFP-labeled ion channels
AUTHOR(S): Moyer, Bryan D.; Stanton, Bruce A.
CORPORATE SOURCE: Department of Cell Biology, The Scripps Research Institute, San Diego, CA, USA
SOURCE: Ion Channel Localization (2001), 187-214. Editor(s): Lopatin, Anatoli N.; Nichols, Colin G. Humana Press Inc.: Totowa, N. J.
CODEN: 69BXDC
DOCUMENT TYPE: Conference
LANGUAGE: English
REFERENCE COUNT: 93 THERE ARE 93 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT **Fusion** proteins (chimeric proteins)
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(**GFP-CFTR**; confocal imaging of green fluorescent protein-labeled **CFTR** ion channels)

L6 ANSWER 6 OF 8 MEDLINE on STN DUPLICATE 2
ACCESSION NUMBER: 2000107094 MEDLINE
DOCUMENT NUMBER: 20107094 PubMed ID: 10639456
TITLE: Impact of heterogeneity within cultured cells on bacterial invasion: analysis of Pseudomonas aeruginosa and Salmonella enterica serovar typhi entry into MDCK cells by using a green fluorescent protein-labelled cystic fibrosis transmembrane conductance regulator receptor.

AUTHOR: Gerceker A A; Zaidi T; Marks P; Golan D E; Pier G B
CORPORATE SOURCE: Channing Laboratory, Brigham and Women's Hospital, and Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, Boston, Massachusetts 02115, USA.
CONTRACT NUMBER: AI22806 (NIAID)
HL32854 (NHLBI)
HL58398 (NHLBI)
+
SOURCE: INFECTION AND IMMUNITY, (2000 Feb) 68 (2) 861-70.
Journal code: 0246127. ISSN: 0019-9567.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200002
ENTRY DATE: Entered STN: 20000218
Last Updated on STN: 20000218
Entered Medline: 20000210
AB . . . as a receptor for entry of Pseudomonas aeruginosa and Salmonella enterica serovar Typhi into epithelial cells. To evaluate heterogeneity in **CFTR** protein expression in cultured cells and the effect of heterogeneity on internalization of different P. aeruginosa and serovar Typhi strains,. . . microscopy to study bacterial uptake by Madin-Darby canine kidney (MDCK) type I epithelial cells stably expressing a green fluorescent protein (**GFP**)-**CFTR fusion** construct (MDCK-**GFP-CFTR** cells). We found a strong correlation between cell size and GFP-CFTR protein expression, with 60 to 70% of cells expressing. . .

L6 ANSWER 7 OF 8 MEDLINE on STN DUPLICATE 3
ACCESSION NUMBER: 1999191992 MEDLINE
DOCUMENT NUMBER: 99191992 PubMed ID: 10094204
TITLE: High-efficiency transfer of cystic fibrosis transmembrane conductance regulator cDNA into cystic fibrosis airway cells in culture using lactosylated polylysine as a vector.
AUTHOR: Kollen W J; Mulberg A E; Wei X; Sugita M; Raghuram V; Wang J; Foskett J K; Glick M C; Scanlin T F
CORPORATE SOURCE: Department of Pediatrics, University of Pennsylvania School of Medicine, The Children's Hospital of Philadelphia, 19104-4318, USA.
SOURCE: HUMAN GENE THERAPY, (1999 Mar 1) 10 (4) 615-22.
Journal code: 9008950. ISSN: 1043-0342.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199904
ENTRY DATE: Entered STN: 19990517
Last Updated on STN: 19990517
Entered Medline: 19990430
AB . . . primary cells. Antibody pAb3145 was used to detect the expression of the CFTR protein in the cells. When an N-terminal **GFP-CFTR fusion** gene was used to transfect the CF cells a functional correction of the **CFTR** Cl- channel was detected by patch-clamp electrophysiology. The high efficiency of CFTR gene transfer with lactosylated polylysine leads to the. . .

L6 ANSWER 8 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1999:509200 BIOSIS
DOCUMENT NUMBER: PREV199900509200
TITLE: The cellular distribution of the C-terminus of CFTR is altered by interaction with NHERF via a PDZ domain.
AUTHOR(S): Milewski, M. I. [Reprint author]; Mickle, J. E. [Reprint

author]; Forrest, J. K. [Reprint author]; Cheng, J.; Moyer, B.; Li, M.; Stanton, B.; Guggino, W.; Cutting, G. R. [Reprint author]

CORPORATE SOURCE: Inst Genetic Medicine, JHU Sch Med, Baltimore, MD, USA

SOURCE: American Journal of Human Genetics, (Oct., 1999) Vol. 65, No. 4, pp. A54. print.
Meeting Info.: 49th Annual Meeting of the American Society of Human Genetics. San Francisco, California, USA. October 19-23, 1999. The American Society of Human Genetics.
CODEN: AJHGAG. ISSN: 0002-9297.

DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Slide)

LANGUAGE: English

ENTRY DATE: Entered STN: 3 Dec 1999
Last Updated on STN: 3 Dec 1999

IT . . .
Fibrosis (MeSH)

IT Chemicals & Biochemicals
cystic fibrosis transmembrane conductance regulator [CFTR]: C-terminus cellular distribution, biogenesis, mislocalization, mutations; CAL: expression; **GFP-CFTR** C-ter **fusion** proteins; NHERF [sodium proton exchanger regulatory factor]: co-expression, expression; PDZ proteins: binding motif